

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023976.D
 Acq On : 15 Dec 2025 15:08
 Operator : SY/MD
 Sample : Q3872-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0367

Quant Time: Dec 16 02:16:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.72
34) 1,4-Difluorobenzene	8.640	114	55	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.445	117	224	50.000	ug/l	# 0.02
72) 1,4-Dichlorobenzene-d4	13.212	152	244	50.000	ug/l	-0.14

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.091	65	42	0.000	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	7.659	113	20	55.629	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.260%
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 134	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	12.426	95	318	711.374	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	1422.740%#

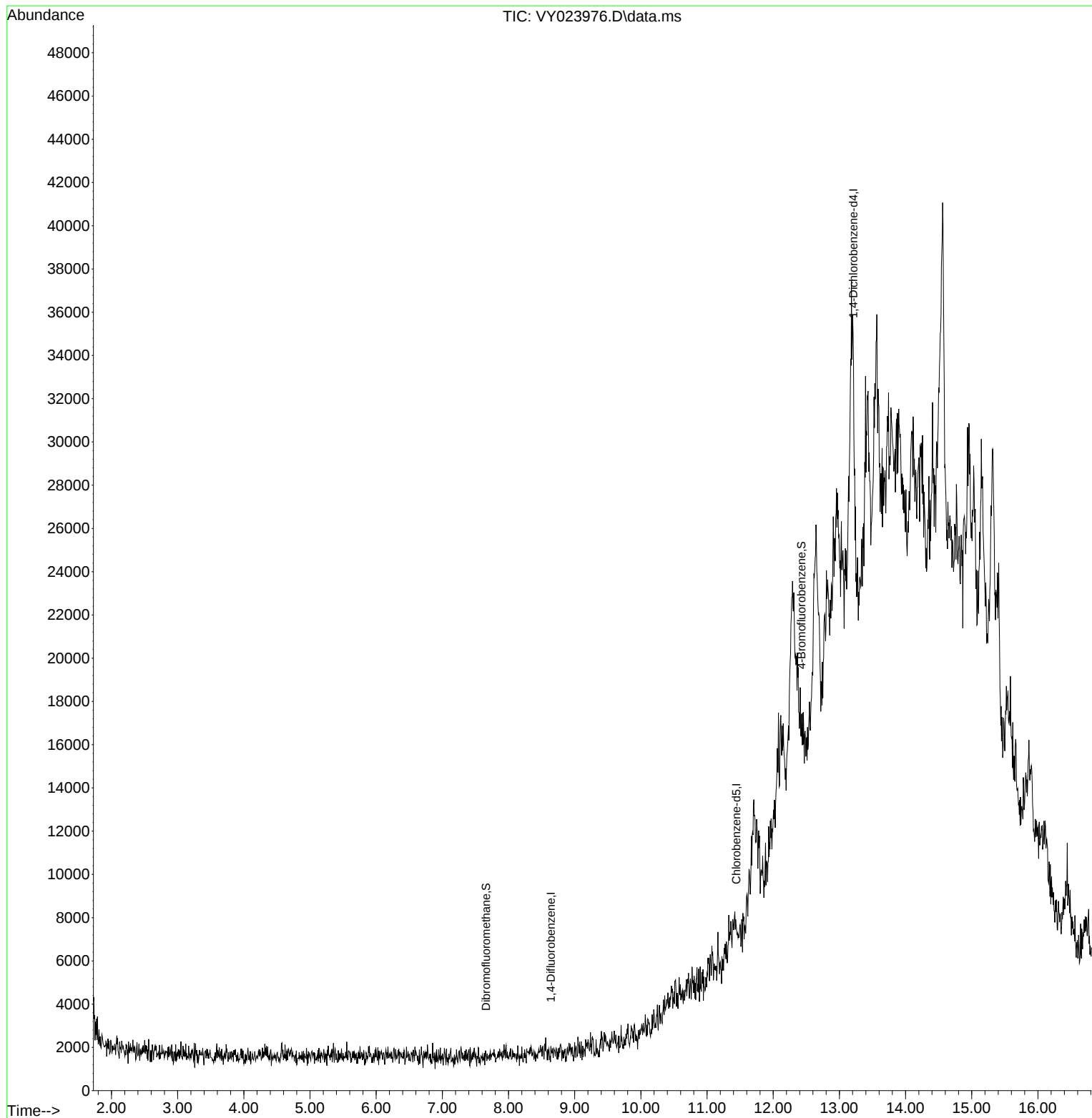
Target Compounds	Qvalue

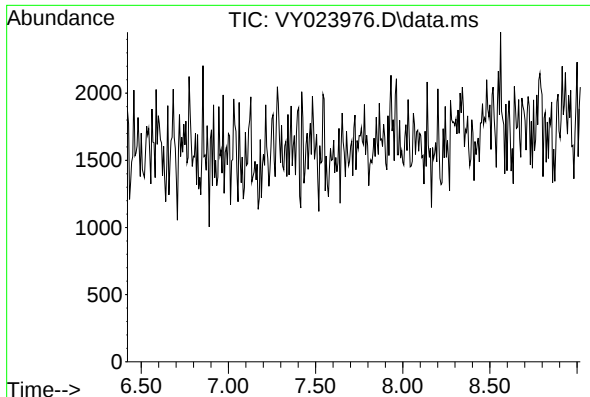
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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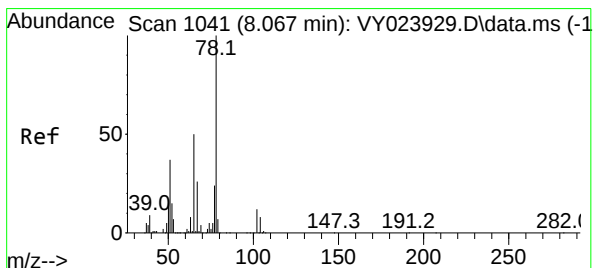
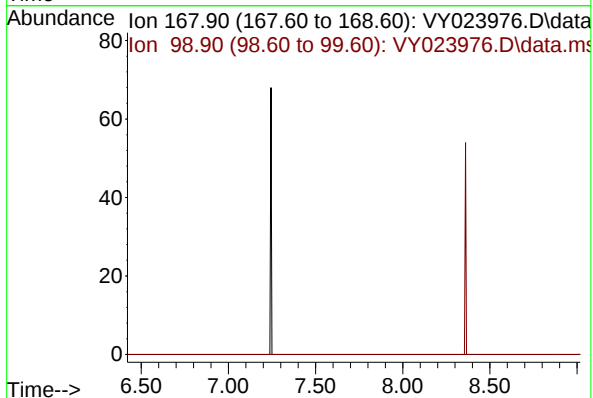


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.72 min

Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

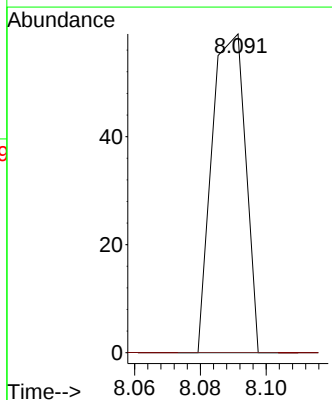
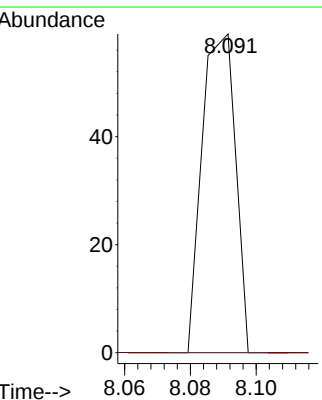
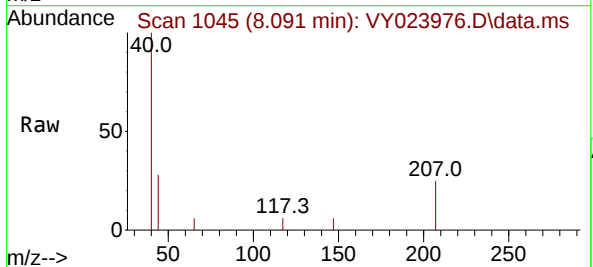
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0367

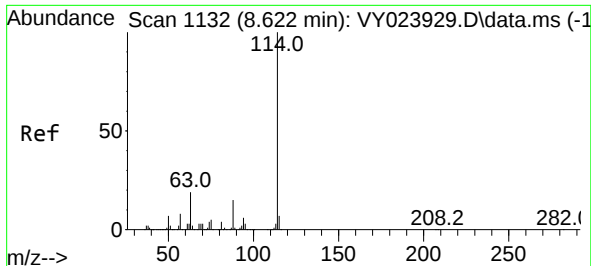
Tgt Ion: 168
Sig Exp Ratio
168 100
99 48.6



#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.025 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 65 Resp: 42
Ion Ratio Lower Upper
65 100
67 0.0 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.640 min Scan# 1132

Delta R.T. 0.018 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

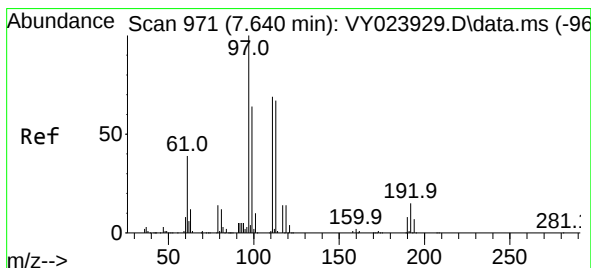
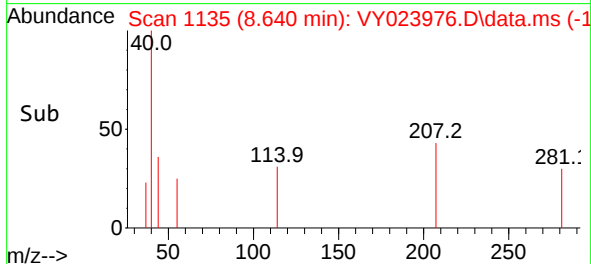
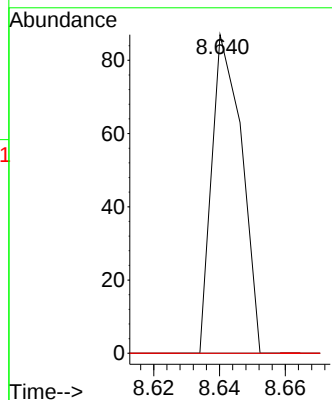
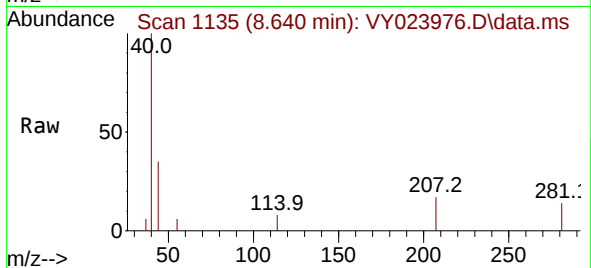
Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0367

Tgt Ion:114	Resp:	55
Ion	Ratio	Lower Upper
114	100	
63	0.0	0.0 37.2
88	0.0	0.0 29.4



#35

Dibromofluoromethane

Concen: 55.629 ug/l

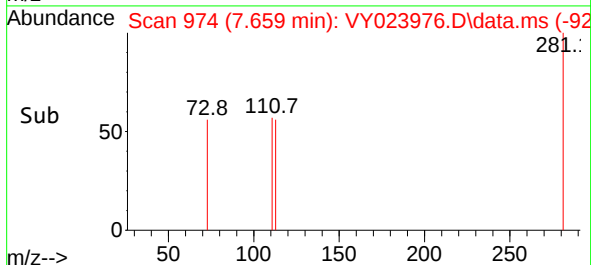
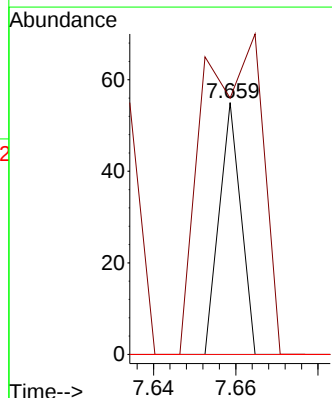
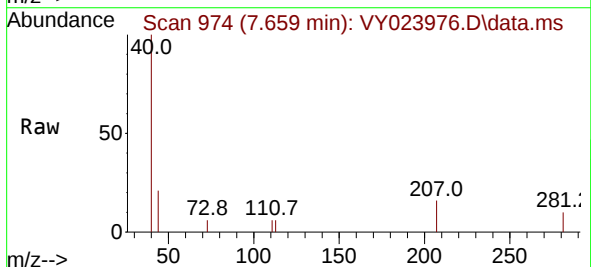
RT: 7.659 min Scan# 974

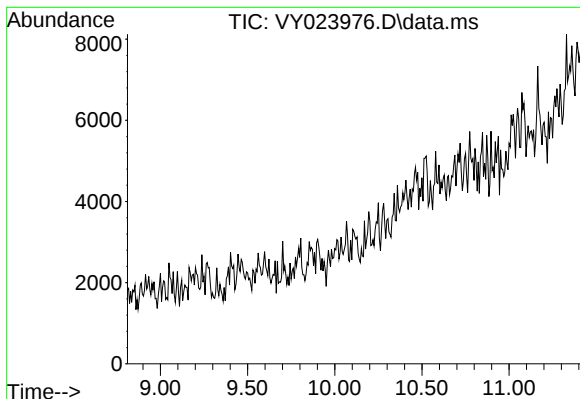
Delta R.T. 0.018 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Tgt Ion:113	Resp:	20
Ion	Ratio	Lower Upper
113	100	
111	350.0	82.4 123.6#
192	0.0	17.9 26.9#

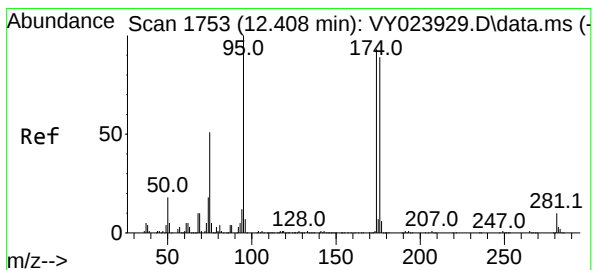
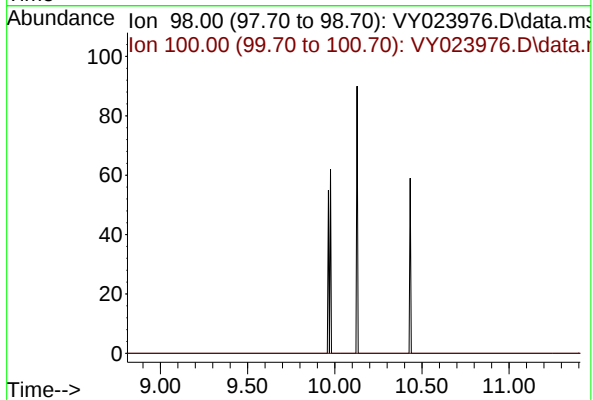




#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.11 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

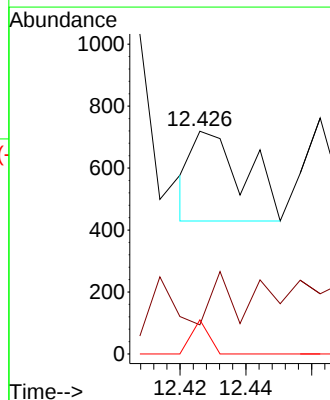
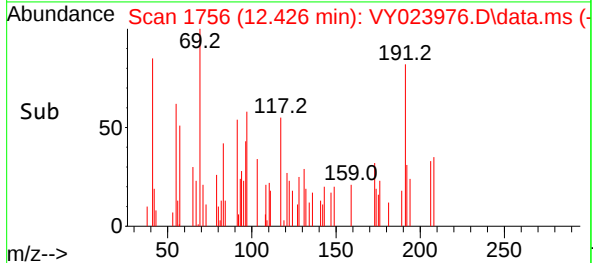
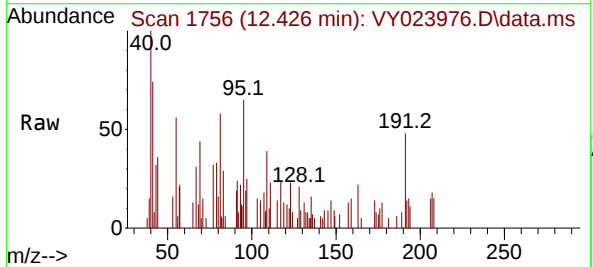
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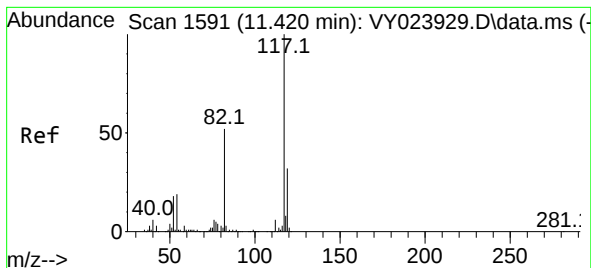
Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.0



#62
4-Bromofluorobenzene
Concen: 711.374 ug/l
RT: 12.426 min Scan# 1756
Delta R.T. 0.018 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 95 Resp: 318
Ion Ratio Lower Upper
95 100
174 23.0 0.0 187.4
176 12.6 0.0 179.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.445 min Scan# 11

Delta R.T. 0.025 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

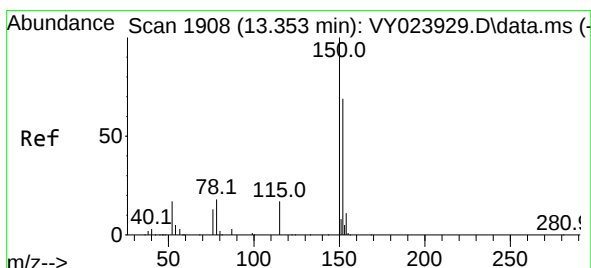
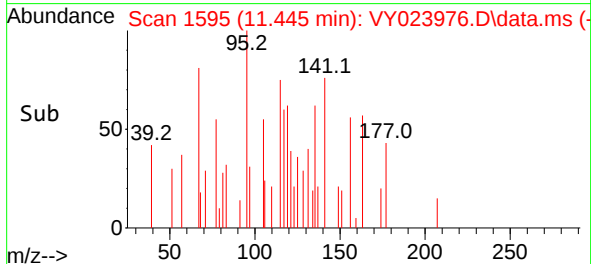
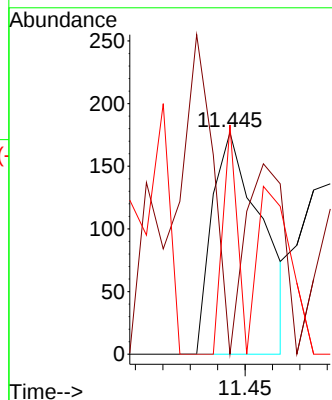
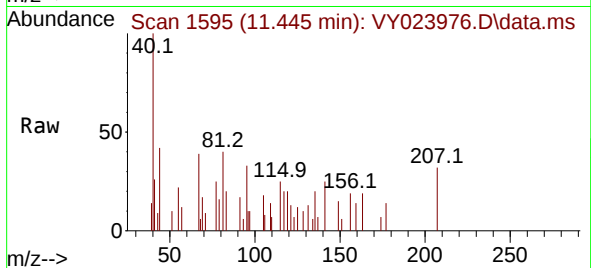
Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0367

Tgt Ion:117	Resp:	224
Ion Ratio	Lower	Upper
117	100	
82	0.0	41.4 62.2#
119	103.4	25.5 38.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.212 min Scan# 1885

Delta R.T. -0.140 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Tgt Ion:152	Resp:	244
Ion Ratio	Lower	Upper
152	100	
115	77.5	27.3 81.9
150	229.1	0.0 347.6

